

Practitioner's Docket No. 740789

1020 ROC'D PCT/PTO PCT AUG 2001 09/890816



# TRANSMITTAL LETTER TO THE UNITED STATES ELECTED OFFICE (EO/US) (ENTRY INTO U.S. NATIONAL PHASE UNDER CHAPTER II)

INTERNATIONAL APPLI	CATION NO. INTERNATIONA	AL FILING DATE PRIORITY DATE CLAIN	1ED
PCT/GB00/00277	01 February 2000 (01.02.00)	01 February 1999 (01.02.99)	
TITLE OF INVENTION			
NEURAL PROCESSING EL	EMENT FOR USE IN A NEURAL N	ETWORK	
APPLICANTS			
LIGHTOWLER, Neil			
DIGITIO II DESIGNO			

Box PCT Assistant Commissioner for Patents Washington, D.C. 20231

ATTENTION: EO/US

#### **VERIFIED CERTIFICATION OF EXPRESS MAILING DATE**

I declare that on 01 August 2001, I deposited, with the United States Postal Service, in an envelope "Express Mail, Post Office to Addressee," bearing Label Number EL565099008US, addressed to "Box PCT, Assistant Commissioner for Patents, Washington, D.C. 20231, Attention EO/US" and having an express mail certification that I executed, the following papers:

- 1. Transmittal Letter to the United States Elected Office (6 pgs);
- 2. Preliminary Amendment (8 pgs);
- 3. Declaration and Power of Attorney Executed by Neil Lightowler (4 pgs);
- 4. Copy of the Published International Application as filed (35 USC § 371(c)(2)) [including Drawings and International Search Report] WO 00/45333 (PCT/GB00/00277) (212 pgs);
- 5. Copy of Form PCT/IB/308 (2 pgs);
- 6. Copy of International Examination Report Transmittal and Report PCT/IPEA/416 and PCT/IPEA/409 (10 pgs);
- 7. Copy of International Search Report Transmittal and Report [with Annexes] PCT/ISA/220 and PCT/ISA/210 (7 pgs);
- 8. PCT/IB/301 Notification of Receipt of Record Copy [with Annex] (2 pgs);
- 9. PCT/IB/304 Notification Concerning Submission or Transmittal of Priority Document (1 pg);
- 10. Check in the Amount of \$ 457.00;
- 11. Return Receipt Postcard.

A copy of these papers from the file of this application are attached.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application of any patent issuing thereon.

Date: 01 August 2001

ignature of person making this statement

### Practitioner's Docket No. 740789-051830

CHAPTER II

## TRANSMITTAL LETTER TO THE UNITED STATES ELECTED OFFICE (EO/US)

### (ENTRY INTO U.S. NATIONAL PHASE UNDER CHAPTER II)

Box PCT							
LIGHTOWLER, Neil							
APPLICANTS							
NEURAL PROCESSING ELEMENT FOR USE IN A NEURAL NETWORK							
TITLE OF INVENTION							
PCT/GB00/00277	01 February 2000 (01.02.00)	01 February 1999 (01.02.99)					
DCT/CD00/00277	01 Eahman, 2000 (01 02 00)	01 Fahruary 1000 (01 02 00)					
INTERNATIONAL APPLICATION NO.	INTERNATIONAL FILING DATE	PRIORITY DATE CLAIMED					

Box PCT
Assistant Commissioner for Patents
Washington D.C. 20231

**ATTENTION: EO/US** 

### CERTIFICATE OF MAILING

I hereby certify that this correspondence, on the date shown below, is being deposited with the United States Postal Service with sufficient postage as Express Mail Label No. <u>EL565099008US</u> in an envelope addressed to Box PCT, Assistant Commissioner of Patents, Washington, D.C.

20231, Attention: EO/US.

Date: 01 August 2001

- 1. Applicant herewith submits to the United States Elected Office (EO/US) the following items under 35 U.S.C. 371:
  - a. [X] This express request to immediately begin national examination procedures (35 U.S.C. Section 371(f)).
  - b. [X] The U.S. National Fee (35 U.S.C. Section 371(c)(1)) and other fees (37 C.F.R. Section 1.492) as indicated below:

In re application of:

LIGHTOWLER, Neil

Group:

Not yet assigned

Application No.:

Not Yet Assigned

Examiner:

Not yet assigned

Filed:

(National Phase Entry of PCT/GB00/00277) Herewith

For:

NEURAL PROCESSING ELEMENT FOR USE IN A NEURAL NETWORK

### 2.Fees

CLAIMS FEE	(1) FOR	(2) NUMBER FILED	(3) NUMBER EXTRA	(4) RATE		CALCULA- TIONS
[X]*	TOTAL CLAIMS	23 - 20 =	3	x \$ 18.00 =	\$	54.00
	INDEPENDENT CLAIMS	3 - 3 =	0	x \$80.00 =	\$	0.00
	MULTIPLE DEPE	NDENT CLAIM(S) (if	applicable) + \$270.	00	\$	
BASIC FEE**	AUTHO Where au 1.482 ha [ ]  [ ]	D WAS INTERNATION RITY International preliminals been paid on the international preliminals the criteria of novelty, industrial activity, as deen satisfied for all the entering the national summand the above required 1.492(a)(1))	ary examination fee a national application of reliminary examinat inventive step (non- lefined in PCT Artic ne claims presented i tage (37 C.F.R. Sect	as set forth in Section to the U.S. PTO: ion report states that obviousness) and le 33(2) to (4) have in the application ion 1.492(a)(4))		
	Where no in Section	o international prelimina in 1.482 has been paid to onal search fee as set for has been paid (37 C.F. has not been paid (37 C where a search report of prepared by the Europ Office (37 C.F.R. Sect	or the U.S. PTO, and the the U.S. PTO, and the thin Section 1.445(a).  R. 1.492(a)(2))  C.F.R. 1.492(a)(3))  on the international at ean Patent Office or	payment of an a)(2) to the U.S	\$	860.00
			Total	of above Calculations	=\$	914.00
SMALL ENTITY	Reduction by 1/2 for filing by small entity, if applicable.  *Applicant asserts small entity status.					457.00
		\$	457.00			
	Total National Fee					457.00
	Fee for recording the enclosed assignment document \$40.00 (37 C.F.R. 1.21(h)). (See Item 13 below). See attached "ASSIGNMENT COVER SHEET".					
TOTAL	Total Fees enclosed				\$	45700

In re application of: Application No.: Filed: For:		GILCHRIST, Thomas  Not Yet Assigned (National Phase Entry of PCT/GB99/03077) Herewith BONE REPAIR COMPOSITE MATERIAL					
	i. ii.	[X] [ ] A dupli	Please c		i	cover the above fees is enclosed.  n the amount of \$	
3.	[X]	А сору	of the In	ternational application	as filed (35	5 U.S.C. Section 371(c)(2)):	
	a. b.	[]	is not re Office.	-	ion was filed	d with the United States Receiving	
	c.	[X] i.	[X]	n transmitted by the International B Date of mailing of the 03 Aug 2000 (03.08.0	application	(from form PCT/IB/308):	
		ii.		by applicant on			
4.	[X]	A translation of the International application into the English language (35 U.S.C. Section 371(c)(2)):					
	a.	[]	is transn	nitted herewith.			
	b.	[X]	is not re	quired as the applicati	on was filed	l in English.	
	c.	[]	was previously transmitted by applicant on				
	d.	[]	will foll	ow.		Date	
5.	[X]			the claims of the Inter (71(c)(3)):	national app	plication under PCT Article 19 (35	
	a.	[]	are trans	smitted herewith.			
	b.			en transmitted			
		i.		ne International Bureau	1.		
				mailing of the amendr		Form PCT/IB/308):	
		ii.		by applicant on		,	
	c.	[X]	have not	been transmitted as			
		i.				dments under PCT Article 19. (from form PCT/ISA/210): 30 June	
		ii.	[]	the time limit for the s The amendments or a	statement th	of amendments has not yet expired. nat amendments have not been made iration of the time limit under PCT	

Applica	tion No.:	01;	Not Yet Assigned Examiner: Not yet assigned (National Phase Entry of PCT/GB00/00277)
Filed: For:			Herewith NEURAL PROCESSING ELEMENT FOR USE IN A NEURAL NETWORK
6.	[X]	A trans 371(c)(	lation of the amendments to the claims under PCT Article 19 (38 U.S.C. Section 3)):
	a.		is transmitted herewith.
	b. с.	[ ] [X]	is not required as the amendments were made in the English language. has not been transmitted for reasons indicated at point 5(c) above.
7.	[X]	А сору [ <b>X</b> ]	of the international examination report (PCT/IPEA/409) is transmitted herewith.
		[]	is not required as the application was filed with the United States Receiving Office.
8.	[X]	Annex(	es) to the international preliminary examination report
	a.	[]	is/are transmitted herewith.
			Applicants request entry of the annex to the IPER to the International Application if such has not been done.
	b.	[]	is/are not required as the application was filed with the United States Receiving
	o.	l J	Office.
	c.	[ <b>X</b> ]	there are no annexes.
9.	[X]	A trans	lation of the annexes to the international preliminary examination report
	a.	[]	is transmitted herewith.
	b.	[]	is not required as the annexes are in the English language.
	c.	[X]	there are no annexes.
10.	[X]	An oath U.S.C.	n or declaration of the inventor (35 U.S.C. Section 371(c)(4)) complying with 35
	a.	[]	was previously submitted by applicant on
	b.	[X]	Date is submitted herewith, and such oath or declaration
	υ.	i.	[ ] is attached to the application.
		ii.	[X] identifies the application and any amendments under PCT Article 19 that were transmitted as stated in points 3(b) or 3(c) and 5(b); and states that they were reviewed by the inventor as required by 37 C.F.R. Section 1.70.
	c.	[]	will follow.
Other	documen	t(s) or in	nformation included:
11.	[X]	An Inte	ernational Search Report (PCT/ISA/210) or Declaration under PCT Article

17(2)(a):

(Transmittal Letter to the United States Elected Office (EO/US)--Page 4 of 6)

Applica Filed:	plication of tion No.:	Not Ye (Nation Herewi					
For:		BONE	E REPAIR COMPOSITE MATERIAL				
	a.	[X]	is transmitted herewith.				
	b.	[]	has been transmitted by the International Bureau.  Date of mailing (from form PCT/IB/308):				
	c.	[ ] is not required, as the application was searched by the United States International Searching Authority.					
	d.	[]	will be transmitted promptly upon request.				
	e.	[]	has been submitted by applicant on				
			Date				
12.	[X]	An Inf	formation Disclosure Statement under 37 C.F.R. Sections 1.97 and 1	.98:			
	a.	[]	is transmitted herewith.				
			Also transmitted herewith is/are:				
		[ ]	Form PTO-1449 (PTO/SB/08A and 08B).				
			Copies of citations listed.				
	b.	[ <b>X</b> ]	will be transmitted within THREE MONTHS of the date of submi	ssion of			
	c.	[]	requirements under 35 U.S.C. Sections 371(c). was previously submitted by applicant on				
	0.	i j	Date				
13.	[]	An ass	signment document is transmitted herewith for recording.				
	A separ	rate [ ] '	"COVER SHEET FOR ASSIGNMENT (DOCUMENT) ACCOMPANEW PATENT APPLICATION" or [ ] FORM PTO 1595 is also at				
14.	[X]	Additio	ional documents:				
	a.	[]	Copy of request (PCT/RO/101)				
	b.	[X]	International Publication No. WO 00/45333				
		i.	[X] Specification, claims and drawings				
		ii.	[ ] Front page only				
	c.	[X]	Preliminary amendment (37 C.F.R. Section 1.121)				
	d.	[]	Other				
15.	[X]	The ab	bove checked items are being transmitted				
15.	a.	[X]	before 30 months from any claimed priority date. (Copies of PCT)	/IB/301 and			
			PCT/IB/304 are enclosed herewith.)				
	b.	[]	after 30 months.				

	pplication ation No.:		Not Yet Assigned (National Phase Entry of Po Herewith	•	Not yet assigned Not yet assigned USE IN A NEURAL NETWORK
16. [] Certai			requirements under 35 U	.S.C. 371 were	previously submitted by the applicant on
	[X]	The Co	ired by this paper and dur	norized to charg	DITIONAL FEES  ge the following additional fees that may endency of this application to Account
		[X] [X] [X] [ ]	37 C.F.R. Section 1.17 (a) 37 C.F.R. Section 1.17(a) 37 C.F.R. Section 1.18 (is pursuant to 37 C.F.R. Sec 37 C.F.R. Section 1.492(d)	b), (c) and (d) (ppplication proc (1)-(5)(extension ssue fee at or be etion 1.311(b)) e) and (f) (surch ranslation of an	presentation of extra claims)
Date:	01 Augus	st 2001			Respectfully submitted,
Custon	ner No.: 2	.6770			David S. Resnick (Reg. No. 34,235)

NIXON PEABODY LLP 101 Federal Street Boston, MA 02110 (617) 345-6057